

MARSHFIELD ELECTRIC and WATER DEPT.

2000 South Roddis Ave • P.O. Box 670

MARSHFIELD, WISCONSIN 54449-0670

Phone 715 387-1195 • FAX 715 389-2016 http://www.mewd.com

Jim Loock Chief Electric Engineer **Public Service Commission** 610 N Whitney Way PO Box 7854 Madison, WI 53707-7854

Dear Mr. Loock;

On January 25, 2001 Marshfield Utility sent you a copy of our proposed inspection plan. We have modified the substation inspection form portion of that plan as indicated in the original cover letter. I have attached a copy of the actual form we have been using for your records.

If you should have any questions on this please don't hesitate to give me a call.

Sincerely;

Bob Trussoni

Technical Services Manager

Enclosure

RJT/tmh

RECEIVED

NOV 12 2001

Electric Division

|      | WILDWOOD SUBSTATION MONTHLY INSPECTION FORM   |           |
|------|---|-----------|
| - 13 | INSPECTED BY: DATE:   |           |
|      | RATING: 0 - GOOD 1 - AGING 2 - NON-CRITICAL MAINT 3 - PRIORITY MAINT 4 - URGENT MAINT |           |
| _    |   | CORRECTED |

|                                    |      |          |          |              |  |          | CORRE | CTED   |
|------------------------------------|------|----------|----------|--------------|--|----------|-------|--|
| 115 KV BREAKERS/CIRCUIT SWITCHERS  | N144 | A-157    | 399      | 499          | 799  | COMMENTS | DATE  | BY   |
| OPEN/CLOSED Indicator              |      |          |          |              |  |          |       |  |
| CHARGED/DISCHARGED Indicator       |      |          |          | <del> </del> |  |          |       |  |
| Cabinet Light                      |      |          |          |              | <del>                                     </del> |          |       | $T^{-}$  |
| Cabinet Heater                     |      |          |          |              |  |          |       | <del>                                     </del> |
| Operations Counter (Enter Reading) |      |          |          | ļ            |  |          |       |  |
| Bushings and Supports              |      |          |          |              | <del>   </del> -                                 |          |       |  |
| Line/Load Dis. Sw.                 |      |          |          | <u> </u>     |  |          | _     | +  |
| Handles Grounded                   |      |          |          |              | <u> </u>   |          |       |  |
| Emergency Trip Button              |      |          |          | <u> </u>     | <del> </del>                                     |          |       | <del>                                     </del> |
| Air Compressors - Air/Oil          |      |          |          |              |  |          |       |  |
| Air Pressure Gauge - Air/Oil       |      |          |          |              | <del>                                     </del> |          | _ +   | +  |
| Gas Pressures for GCB's            |      |          |          |              | <del>    -</del>                                 |          |       | +  |
| Spring Operated Mecnanism          |      |          |          |              | <u> </u>   |          |       | +  |
| Oil Level Gauge                    |      | <u> </u> | <u> </u> |              | <del> </del>                                     |          |       | +  |
| Tank Oil Leaks                     |      |          |          |              | + +  |          |       | +  |
| Cabinet Contamination              |      |          | <b>_</b> |              | <del>   </del>                                   |          |       | +-   |
| Vents Clean                        |      |          |          |              | <del> </del>                                     |          |       | +  |
| Overall Rating                     |      |          |          |              | <del> </del>                                     |          |       | +  |
| Comp Hour                          |      |          |          |              |  |          |       |  |

|                             |         |          |          |          |              |               |          |              |          |                |  |              | CORRE        | CTED         |
|-----------------------------|---------|----------|----------|----------|--------------|---------------|----------|--------------|----------|----------------|--|--------------|--------------|--------------|
|                             | E       | BANK 3   |          | E        | BANK 4       |               | 8        | ANK 7        |          | CC             | MMENT  | 5            | DATE         | BY           |
| Bushing Oil                 |         |          |          |          |              |               |          |              |          |                |  |              |              | -            |
| Bushings and Arrestors      |         |          |          |          |              |               |          |              |          |                |  |              |              | <del> </del> |
| Dil Leaks                   |         |          |          |          |              |               |          |              |          |                |  |              |              | +-           |
| Main Tank                   |         |          |          |          |              |               |          | <u> </u>     |          |                |  |              |              | +            |
| Sample Valves               |         |          |          |          |              |               |          |              |          |                |  |              |              | -            |
| Radiators                   | Ι       |          |          |          |              |               |          |              |          |                |  |              |              | ┼            |
| Radiator Bank               |         |          |          |          |              |               |          |              |          |                |  |              |              | +            |
| Nitrogen Bottle Pressure    |         |          |          |          |              |               |          |              |          |                |  |              |              | ╁            |
| Tank Pressure               |         |          |          |          |              |               |          |              |          |                |  |              |              | +            |
| Tank Oil Level              |         |          |          |          |              |               |          | <del></del>  |          |                |  |              |              | +-           |
| Oil Temp                    |         |          |          |          |              |               |          |              |          |                |  |              |              | +-           |
| Winding Temp                |         |          |          |          |              |               |          |              |          |                |  |              |              | +-           |
| Heaters                     |         |          |          |          |              |               |          |              |          |                |  |              |              | ╁            |
| Cooling Fans                |         |          |          |          |              |               |          |              |          |                |  |              |              | +            |
| Overall Rating              |         |          |          |          |              |               |          |              |          |                |  |              |              | +-           |
|                             | CVT 222 |          |          |          |              |               |          |              |          |                | CKT 74   |              |              |              |
| VOLTAGE REGULATORS          |         | CKT 33   |          |          | CKT 332      |               | CKT 333  |              |          |                |  |              | -            |              |
| VOLTAGE REGULATORS          | S       | M        | N        | _ s_     | М            | N             | S        | М            | N        | E              | MI   | 14           | <del> </del> | Τ-           |
| Tank Oil Level              |         |          | <u> </u> |          |              |               |          |              |          |                | <u> </u>   | +            |              | +-           |
| Drag Hand Positions min/max |         |          |          |          | <u> </u>     |               | <b>.</b> |              |          |                | ┾╌┶╌   |              |              | +            |
| Operation Count (Value)     |         |          |          |          |              |               |          |              |          |                | <del>                                     </del> | <u> </u>     | -            | +            |
| Cabinet Contamination       |         |          |          |          |              |               | ļ        |              |          | <u> </u>       | <del> </del>                                     | <del> </del> |              | +-           |
| Leaks Oil                   |         | <u> </u> |          |          |              |               | <u> </u> |              |          |                | <b> </b>   | <b></b>      | <b>_</b>     | +-           |
| Bushings                    |         |          |          |          |              |               |          |              |          | <u> </u>       | <del> </del>                                     |              | <b>-</b>     | $\dashv$     |
| Overall Rating              |         |          |          | <u> </u> |              | <u> </u>      | <u> </u> |              |          |                |  | <u> </u>     | <u> </u>     |              |
|                             |         |          |          |          |              |               |          |              |          |                |  |              |              |              |
| VOLTAGE REGULATORS          |         |          |          |          | CKT 43       |               |          | CKT 43       |          | <u> </u>       | T  | T            | -            |              |
| VOLTAGE REGULATORS          | S       | М        | N        | S        | М            | N             | S        | M            | N        | s              | M  | N            | <del> </del> |              |
| ank Oil Level               |         |          |          | <u> </u> | <u> </u>     | <u> </u>      | <u> </u> | 1            |          | <del> </del> - | +  | + $+$        | +-           | +-           |
| Drag Hand Positions min/max |         |          |          |          |              | $\perp \perp$ |          | 1            |          |                | $+$ $\perp$                                      | + $+$        |              | +-           |
| Operation Count (Value)     |         |          |          |          | <b>_</b>     |               |          | ļ            | ļ        | -              | 4 -  | -            |              | +            |
| Cabinet Contamination       |         |          |          |          | <del> </del> |               | 1-       | <del> </del> | <u> </u> | <b> </b>       |  | -            | -}           | +            |
| Overall Rating              |         |          | <u> </u> |          | <u> </u>     |               | <u> </u> | <u> </u>     | L        | <u> </u>       |  |              |              |              |

| WILD | MAC | חור P | age 2 |
|------|-----|-------|-------|

| WILDWOOD Page 2           |          | CORRE | CTED |
|---------------------------|----------|-------|------|
| HIGH & LOW VOLTAGE BUS    | COMMENTS | DATE  | BY   |
| Insulators, Arrestors     |          |       |      |
| Bird Nests                |          |       |      |
| arminators                |          |       |      |
| tating                    |          |       |      |
| MANUAL SWITCHES           |          |       |      |
| Properly Labeled          |          |       |      |
| Ground Connections        |          | -     | -    |
| Positioning and Alignment |          |       |      |
| Bushings and Supports     |          |       |      |

|                            |              |  | <del></del>  | r -  | Т.   | · · · · · · · · · · · · · · · · · · · |  | COMMENTS | CORRE  | ECTED  |
|----------------------------|--------------|--|--------------|--|--|---------------------------------------|--|----------|--|--|
| FEEDER BREAKERS            | 331          | 332  | 333          | 431  | 432  | 433                                   | 741  | COMMENTS | DATE   | BY   |
| Open/Closed Ind.           |              |  |              |  |  |                                       |  |          |  |  |
| Charged/Discharged Ind.    |              | ļ <u>.</u>                                       |              | <u> </u>   | <u> </u>   |                                       |  |          |  | <del>                                     </del> |
| Cabinet Heater             |              |  |              |  |  | <u> </u>                              |  |          | <del>                                     </del> |  |
| Operations Counter (Value) |              |  | <u> </u>     | -  | <u> </u>   |                                       |  |          |  |  |
| Bushings and Supports      |              | <u> </u>   |              | <del> </del>                                     |  | -                                     | <del> </del>                                     |          |  |  |
| Line/Load Dis. Sw.         | ļ            |  |              | <del>├</del>                                     | -  |                                       | <del> </del>                                     |          |  |  |
| Emergency Trip Button      | <del></del>  | <del> </del>                                     | <del> </del> |  |  | <del> </del>                          |  |          |  |  |
|                            | <del> </del> | <del>                                     </del> | -            | <del>                                     </del> | +  |                                       |  |          |  |  |
| Cabinet Contamination      |              | ļ  | <del> </del> | -  | <del>                                     </del> |                                       | <del> </del>                                     |          |  |  |
| Vents Clean                |              | <del> </del>                                     | -            |  | <del>                                     </del> |                                       | <del>                                     </del> |          |  |  |
| l                          |              |  | <u> </u>     | ــــــــــــــــــــــــــــــــــــــ           |  | 1                                     |  |          |  |  |

|   |          | CORR        | ECTED          |
|---|----------|-------------|----------------|
| ONTROL HOUSE/MISCELLANEOUS                | COMMENTS | DATE        | BY             |
| Clock Displays Proper Time                |          |             |                |
| Load Center Breakers                      |          |             | <del> </del>   |
| emperature                                |          |             |                |
| no-onts                                   |          |             | <u> </u>       |
| Panels Labeled Properly                   |          |             | <del> </del>   |
| Panel Lights                              |          |             |                |
| Annunciator Panel                         |          |             | +              |
| Panel Meters                              |          |             | +              |
| Relay Target Information                  |          |             | <del> </del>   |
| Emergency Contact Directory               |          | <del></del> | <del>  -</del> |
| Dialtone on Phone                         |          |             | +              |
| Safety Equipment                          |          |             | -              |
| Fire Extinguisher Charged                 |          | <del></del> |                |
| BATTERY                                   |          |             |                |
| Liquid Levels                             |          |             |                |
| Proper Float Voltage on Charger & Battery |          |             | +              |
| Specific Gravity in Pilot Cell            |          |             | +              |
| Personal Protective Equipment             |          |             | ļ              |
| Connection Corrosion                      |          |             | -              |
| Leaking Cells                             |          |             | <u> </u>       |
| Dated Solution in Eyewash Station         |          |             |                |
| YARD & FENCE                              |          |             |                |
| Fence Ground Connections                  |          |             |                |
| Fence Secured                             |          |             | +-             |
| Security and Emergency Lights             |          |             |                |
| se and Grade                              |          |             | +              |
| Signs                                     |          |             |                |

|                  | ним       | SUBSTATION M           | ONTHLY INSP        | ECTION FORM          |           |
|------------------|-----------|------------------------|--------------------|----------------------|-----------|
| INSPECTED BY:    |           |                        | DATE:              | <b>X</b> = INSPECTED |           |
| RATING: 0 - GOOD | 1 - AGING | 2 - NON-CRITICAL MAINT | 3 - PRIORITY MAINT | 4 - URGENT MAINT     |           |
|                  |           |                        |                    |                      | CORRECTED |

|                                    |      |       |  |          | CORRE | CTED   |
|------------------------------------|------|-------|--|----------|-------|--|
| 5 KV BREAKERS/CIRCUIT SWITCHERS    | P120 | A-157 | 699  | COMMENTS | DATE  | BY   |
| OPEN/CLOSED Indicator              |      |       |  |          |       |  |
| CHARGED/DISCHARGED Indicator       |      |       |  |          |       |  |
| Cabinet Light                      |      |       |  |          |       | <del>                                     </del> |
| Cabinet Heater                     |      |       |  |          |       |  |
| Operations Counter (Enter Reading) |      |       |  |          |       | $\vdash$   |
| Bushings and Supports              |      | ļ     |  |          |       |  |
| Line/Load Dis. Sw.                 |      |       |  |          |       | <u> </u>   |
| Handles Grounded                   |      |       |  |          |       | 1  |
| Emergency Trip Button              |      | ļ     |  |          |       |  |
| Air Compressors - Air/Oil          |      |       |  |          |       | +-   |
| Air Pressure Gauge - Air/Oil       |      |       |  |          |       | <b>—</b>   |
| Gas Pressures for GCB's            |      |       |  |          |       | +  |
| Spring Operated Mecnanism          |      |       |  |          |       | +  |
| Oil Level Gauge                    |      |       | <del>                                     </del> |          |       | $\top$   |
| Tank Oil Leaks                     |      |       |  |          |       | +  |
| Cabinet Contamination              |      |       |  |          |       | +-   |
| Vents Clean                        |      | ļ     |  |          |       | +-   |
| Overall Rating                     |      |       |  |          |       |  |

|                             |  |              |                 |                 |  |  |              |              | Į.              | CORRECTE |  |  |
|-----------------------------|--|--------------|-----------------|-----------------|--|--|--------------|--------------|-----------------|----------|--|--|
|                             | E  | BANK 6       |                 |                 |  |  |              | MMENT        | 'S<br>          |          | DATE   | BY   |
| Bushing Oil                 |  |              |                 |                 |  |  |              |              |                 |          |  | -  |
| Bushings and Arrestors      |  |              |                 |                 |  |  |              |              |                 |          |  | ╁─   |
| Leaks                       |  |              |                 |                 |  |  |              |              |                 |          |  | <b>-</b>   |
| vain Tank                   | ļ  |              |                 |                 |  |  | <del> </del> |              |                 |          |  | $\vdash$   |
| Sample Valves               |  |              |                 |                 |  |  |              |              |                 |          |  | <del>                                     </del> |
| Radiators                   |  |              |                 |                 |  |  |              |              |                 |          | <b></b>  | +  |
| Radiator Bank               |  |              |                 |                 |  |  |              |              |                 |          |  | +-   |
| Nitrogen Bottle Pressure    |  |              |                 |                 |  |  |              |              |                 |          | <del> </del>                                     | +  |
| Tank Pressure               |  |              |                 |                 |  |  |              |              |                 |          | <del>                                     </del> | +-   |
| Tank Oil Level              |  |              |                 |                 |  |  |              |              |                 |          | <del> </del>                                     | +  |
| Oil Temp                    |  |              |                 |                 |  |  |              |              |                 |          | <del> </del>                                     | +  |
| Winding Temp                |  |              |                 |                 |  |  |              |              |                 |          | <del> </del>                                     | +-   |
| Heaters                     |  |              |                 |                 |  |  |              |              |                 |          | <del> </del>                                     | +-   |
| Cooling Fans                |  |              |                 |                 |  |  |              |              |                 |          | +  | +  |
| Overall Rating              |  |              |                 |                 |  |  |              |              |                 |          | <del>                                     </del> | -  |
|                             |  | 01/5-00/     |                 | CKT 632 CKT 633 |  |  |              |              |                 |          |  |  |
| VOLTAGE REGULATORS          |  | CKT 631      |                 |                 |  |  |              |              |                 |          |  |  |
|                             | s  | M            | N               | S               | М  |  |              | - '*'        | <del>- ``</del> |          |  | $\top$   |
| Tank Oil Level              | <del>                                     </del> | <b>├</b>     |                 |                 |  |  |              |              |                 |          | 1  | _  |
| Drag Hand Positions min/max |  | $\perp$      | <u> </u>        | <u> </u>        |  |  |              |              |                 |          |  |  |
| Operation Count (Value)     |  |              |                 |                 |  |  |              |              |                 |          |  | _  |
| Cabinet Contamination       |  |              | <b>-</b>        |                 |  |  |              |              |                 |          |  | $\top$   |
| Leaks Oil                   | <b>↓</b>   | <u> </u>     | <u> </u>        |                 | <b> </b>   |  |              |              | -               |          |  | $\top$   |
| Bushings                    |  | <u> </u>     | <b>↓</b> —      | <b>↓</b>        |  |  |              | ļ            | <del> </del>    |          | +  | 十  |
| Overall Rating              |  | <u> </u>     | l               | <u> </u>        |  |  | <u>L </u>    |              | l               |          |  |  |
|                             |  |              |                 |                 |  |  |              |              |                 |          |  |  |
| VOLTAGE REGULATORS          |  |              |                 | <b>_</b>        |  |  | s            | м            | N               |          |  |  |
|                             | S  | M            | N               | s               | M  | N  |              | IAI          | - 13            |          | $\top$   | $\neg$   |
| ( Oil Level                 | <del>                                     </del> | <del> </del> | <del> </del>    | 1               |  | <del>                                     </del> | <u> </u>     | +            | + -             |          | +  | +  |
| g Hand Positions min/max    |  | $+$ $\perp$  | $\perp$ $\perp$ |                 | <del>                                     </del> | <b>├</b> ──                                      |              |              | 1 -             |          | +  | $\top$   |
| Operation Count (Value)     |  |              | <del> </del>    | <b>_</b>        | -  | <del>                                     </del> |              | <del> </del> | -               |          | +  |  |
| Cabinet Contamination       |  |              | +               | <b>1</b> —      | <del> </del>                                     | <b>+</b>   | <b>├</b>     | +            | +               |          | +  | $\top$   |
| Overall Rating              | 1  |              |                 |                 | l  | <u> </u>   |              |              |                 | <u></u>  |  |  |

HIIME Page 2

| HUME Page 2               |          | CORRI    | ECTED  |
|---------------------------|----------|----------|--|
| HIGH & LOW VOLTAGE BUS    | COMMENTS | DATE     | BY   |
|                           |          |          | <b></b>  |
| Insulators, Arrestors     |          | !        | ł  |
| Bird Nests                |          |          |  |
| erminators                |          |          |  |
| af Rating                 |          |          |  |
| MANUAL SWITCHES           |          |          |  |
|                           |          |          |  |
| Properly Labeled          |          |          | ł  |
| Ground Connections        |          | -        |  |
| Positioning and Alignment |          |          | <del>                                     </del> |
| Bushings and Supports     |          | <u> </u> | <u> </u>   |

|                            |                |              |  | COMMENTS |  | ECTED        |
|----------------------------|----------------|--------------|--|----------|--|--------------|
| FEEDER BREAKERS            | 631            | 632          | 633  | COMMENTS | DATE   | BY           |
| Open/Closed Ind.           |                |              |  |          |  |              |
| Charged/Discharged Ind.    |                |              |  |          |  | <del></del>  |
| Cabinet Heater             |                |              |  |          |  | <del> </del> |
| Operations Counter (Value) |                |              |  |          | <del>                                     </del> |              |
| Bushings and Supports      |                |              |  |          |  | <u> </u>     |
| Line/Load Dis. Sw.         |                | -            | <del> </del>                                     |          | -  |              |
| Emergency Trip Button      |                |              |  |          |  |              |
|                            |                |              | <del>                                     </del> |          |  |              |
| Cabinet Contamination      | <del>-  </del> | <del> </del> | <del>                                     </del> |          | ļ  | <u> </u>     |
| Vents Clean                |                | <del> </del> |  |          |  |              |

| <del></del> -                             | ACMIENTO. |  |              |  |  |
|---|-----------|--|--------------|--|--|
| CONTROL HOUSE/MISCELLANEOUS               | COMMENTS  | DATE   | BY           |  |  |
| Displays Proper Time                      |           |  |              |  |  |
| C Load Center Breakers                    |           | <del> </del>                                     | <del></del>  |  |  |
| Room Temperature                          |           | <del> </del>                                     |              |  |  |
| Rodents                                   |           | <del> </del>                                     |              |  |  |
| Panels Labeled Properly                   |           | <del> </del>                                     |              |  |  |
| Panel Lights                              |           | <del> </del>                                     | ├            |  |  |
| Annunciator Panel                         |           | <del> </del>                                     |              |  |  |
| Panel Meters                              |           | <del> </del>                                     |              |  |  |
| Relay Target Information                  |           | <del> </del>                                     |              |  |  |
| Emergency Contact Directory               |           | <del> </del>                                     |              |  |  |
| Dialtone on Phone                         |           | <del>                                     </del> |              |  |  |
| Safety Equipment                          |           | <del> </del>                                     |              |  |  |
| Fire Extinguisher Charged                 |           | +-   | <u> </u>     |  |  |
| BATTERY                                   |           |  |              |  |  |
| Liquid Levels                             |           |  | <del> </del> |  |  |
| Proper Float Voltage on Charger & Battery |           | <del> </del>                                     | <del> </del> |  |  |
| Specific Gravity in Pilot Cell            |           |  | <del></del>  |  |  |
| Personal Protective Equipment             |           | <del> </del>                                     | <del> </del> |  |  |
| Connection Corrosion                      |           | <del> </del>                                     | <del></del>  |  |  |
| Leaking Cells                             |           | <del></del>                                      | +            |  |  |
| Dated Solution in Eyewash Station         |           | <del> </del>                                     |              |  |  |
| YARD & FENCE                              |           |  |              |  |  |
| Ground Connections                        | ,         |  | <del> </del> |  |  |
| Secured                                   |           |  | +            |  |  |
| Security and Emergency Lights             |           |  |              |  |  |
| Site Base and Grade                       |           |  | +            |  |  |
| Warning Signs                             |           |  |              |  |  |

| MC                                | MILL         | AN SU  | BST/            | AT      | ION   | MON  | IIHL   | Y INSP  |  | IUN   | X = INSPECTED | D       |        |  |
|-----------------------------------|--------------|--|-----------------|---------|---|--|--|---|--|---|---------------|---------|--------|--|
| SPECTED BY:                       |              |  |                 |         |   | DATE   | ::   |   |  |   | X - INSPECTE  |         |        |  |
| ATING: 0 - GOOD 1 - AGING         | 2 - NC       | N-CRITIC   | AL MAIN         | ١T      | 3 - PRI   | ORITY  | MAINT  | 4 - URGE  | NT MAI   | NT  |               |         |        |  |
|                                   |              |  |                 |         | <del></del>                                       |  |  | 200   |  |   | OMMENTS       | CORRECT |        |  |
| (V BREAKERS/CIRCUIT SWITCHERS     | N144         | B-54   | 19              | 199<br> | 299   | 9  | 221  | 222   |  |   | COMMENTS      | DATE    | B      |  |
| PEN/CLOSED Indicator              |              |  |                 |         | +   | _  |  | <del> </del>                                      |  |   |               |         |        |  |
| HARGED/DISCHARGED Indicator       |              | <del></del>                                      |                 |         | <del> </del>                                      | -+   |  |   |  |   |               |         |        |  |
| abinet Light                      |              | <del></del>                                      |                 |         | +   |  |  |   |  |   |               |         |        |  |
| abinet Heater                     |              |  |                 |         | +   | -  |  | †   |  |   |               |         |        |  |
| perations Counter (Enter Reading) |              |  |                 |         | <del> </del>                                      | -+   |  |   |  |   |               |         |        |  |
| ushings and Supports              |              | <del> </del>                                     |                 |         | <b>-</b>  |  |  |   |  |   |               |         |        |  |
| ne/Load Dis. Sw.                  |              | <b>_</b>   |                 |         |   |  |  |   |  |   |               |         |        |  |
| andles Grounded                   |              |  |                 |         | -   |  |  |   |  |   |               |         | _ _    |  |
| mergency Trip Button              |              | <del> </del>                                     |                 |         | +   |  |  |   |  |   |               |         |        |  |
| ir Compressors - Air/Oil          |              | +  |                 |         | +   | -+   |  |   | <b> </b>   |   |               |         |        |  |
| ir Pressure Gauge - Air/Oil       |              | +  | +-              |         | +   |  |  | <del>                                     </del>  | 1  |   |               |         |        |  |
| as Pressures for GCB's            |              |  |                 |         | +   |  |  | +   | $t^{}$   |   |               |         |        |  |
| pring Operated Mecnanism          |              |  | -+              |         | +-  | -+   |  |   | 1  |   |               |         |        |  |
| oil Level Gauge                   |              |  |                 |         | +-  |  |  | +   | <del>                                     </del> |   |               |         |        |  |
| ank Oil Leaks                     |              |  |                 |         |   | -+   |  | +   | +  |   |               |         |        |  |
| Cabinet Contamination             |              |  | _               |         |   | -+   |  |   |  |   |               |         |        |  |
| /ents Clean                       |              |  |                 |         |   | +  |  |   | +  |   |               |         |        |  |
| Overall Rating                    |              | _  |                 |         | +-  |  |  |   | +  |   |               |         |        |  |
| IR                                |              |  |                 |         |   |  |  |   |  |   |               |         |        |  |
|                                   |              |  |                 |         |   |  |  |   |  | =   |               | CORI    | RECT   |  |
|                                   | В            | ANK 1  |                 | В       | ANK 2   |  | COMMENTS   |   |  |   |               | DATI    | $\neg$ |  |
| D Line Oil                        | <del> </del> |  | +-              |         |   |  |  |   |  |   |               |         |        |  |
| Bushing Oil                       | <del> </del> |  |                 |         |   |  |  |   |  |   |               |         |        |  |
| Bushings and Arrestors            |              |  |                 |         |   |  |  |   |  |   |               |         |        |  |
| 'ks                               | -            |  |                 |         |   |  |  |   |  |   |               |         | -+     |  |
| a Tank                            | <del> </del> |  |                 |         |   |  |  |   |  |   |               |         | -+     |  |
| Sample Valves                     |              |  |                 |         |   |  |  |   |  |   |               |         |        |  |
| Radiators                         |              |  |                 |         |   |  |  |   |  |   |               |         |        |  |
| Radiator Bank                     |              |  |                 |         |   |  |  |   |  |   |               |         |        |  |
| Nitrogen Bottle Pressure          | <del> </del> |  |                 |         |   |  |  |   |  |   |               |         |        |  |
| Tank Pressure                     |              |  |                 |         |   |  |  |   |  |   |               |         | -+     |  |
| Tank Oil Level                    |              |  |                 |         |   |  |  |   |  |   |               |         | _      |  |
| Oil Temp                          | +            |  |                 |         |   |  |  |   |  |   |               |         | _+     |  |
| Winding Temp                      | +            |  |                 |         |   |  |  |   |  |   |               |         | _      |  |
| Heaters                           | +            |  | _               |         |   |  |  |   |  |   |               |         |        |  |
| Cooling Fans                      |              |  |                 |         |   |  |  |   |  |   |               |         |        |  |
| Overall Rating                    |              |  | _               |         |   |  |  |   |  |   |               |         |        |  |
|                                   | +            | CKT 131  | _               |         | CKT 132   |  |  | CKT 13  | 3  |   |               |         |        |  |
| VOLTAGE REGULATORS                | s            | M  | N ;             | s       | M   | N  | S  | М   |  | N   |               |         |        |  |
| Tank Oil Level                    | <del>┨</del> |  |                 |         |   |  |  |   |  |   |               |         |        |  |
|                                   | ╂┰┥          | $\neg \vdash$                                    |                 | П       | $\top$  |  |  |   |  |   |               |         |        |  |
| Drag Hand Positions min/max       | ╂╌╵          |  | <del>'- -</del> |         |   |  |  |   |  |   |               |         |        |  |
| Operation Count (Value)           | -            |  |                 |         |   |  |  |   |  |   |               |         |        |  |
| Cabinet Contamination             | +            | +  |                 |         |   |  |  |   |  |   |               |         |        |  |
| Leaks Oil                         |              | <del> </del>                                     | -+-             |         |   |  |  |   |  |   |               |         |        |  |
| Bushings                          | +            | <del>                                     </del> |                 |         |   |  |  |   |  |   |               |         |        |  |
| Overall Rating                    | 1            |  |                 |         | L   |  |  |   |  |   |               |         |        |  |
| VOLTACE RECULATORS                |              | CKT 231  |                 |         | CKT 23:   |  | <u> </u>   | CKT 2   | 33   | NI NI   | 1             |         |        |  |
| VOLTAGE REGULATORS                | S            | М  | N               | s_      | M   | N  | s  | М_  |  | N   |               |         |        |  |
| Took Oil Level                    |              | <b>├</b> ,                                       | +               |         | <del> </del>                                      | <del>                                     </del> | <del>                                     </del> | <del>  -                                   </del> |  | $\vdash \top$                                     |               |         |        |  |
| and Positions min/max             |              | $\bot$ $\bot$                                    |                 |         |   | <del> </del>                                     | <del></del>                                      | <del>                                     </del>  |  | <del>  -                                   </del> |               |         |        |  |
| 2 (01)                            |              |  |                 |         | <del>                                      </del> |  | +  | <del> </del>                                      |  | +   |               |         |        |  |
| .ion Count (Value)                |              | 1  |                 |         |   |  |  |   |  |   |               |         |        |  |
| Cabinet Contamination             |              |  |                 |         |   | +  |  |   |  | <u> </u>  |               |         |        |  |
|                                   |              |  |                 |         |   |  |  |   |  |   |               |         |        |  |
| Cabinet Contamination             |              |  |                 |         |   |  |  |   |  |   |               |         |        |  |

| MCMILLAN Page 2           |          | CORRI    | ECTED    |
|---------------------------|----------|----------|----------|
| HIGH & LOW VOLTAGE BUS    | COMMENTS | DATE     | BY       |
| Insulators, Arrestors     |          |          |          |
| Bird Nests                |          |          |          |
| 'erminators               |          |          |          |
| Rating الد                |          | 1        |          |
| MANUAL SWITCHES           |          | <u> </u> | 1        |
| Properly Labeled          |          |          |          |
| Ground Connections        |          |          |          |
| Positioning and Alignment |          |          | <u> </u> |
| Bushings and Supports     |          |          | PECTED   |

| ushings and outporte       |     |              |  |              | т  | <del></del>                                      |          | CORRECTE |             |
|----------------------------|-----|--------------|--|--------------|--|--|----------|----------|-------------|
| FEEDER BREAKERS            | 131 | 132          | 133  | 231          | 232  | 233  | COMMENTS | DATE     | BY          |
|                            |     |              |  |              |  |  |          |          |             |
| Open/Closed Ind.           |     | <del></del>  | <del> </del>                                     |              |  |  |          |          |             |
| Charged/Discharged Ind.    |     | <del> </del> | <del> </del>                                     | <del> </del> | <del>                                     </del> | <del>                                     </del> |          |          |             |
| Cabinet Heater             |     | <u> </u>     | <del>                                     </del> |              | <del>                                     </del> | <del>                                     </del> |          |          |             |
| Operations Counter (Value) |     | -            | <del>                                     </del> | <del> </del> |  | <del> </del>                                     |          |          |             |
| Bushings and Supports      |     | <del> </del> | <del> </del>                                     | <del> </del> | <del> </del>                                     | <del> </del>                                     |          |          | \<br>\<br>! |
| Line/Load Dis. Sw.         |     | <u> </u>     | <b></b>  | <del> </del> | <del> </del> -                                   | <del> </del>                                     |          |          |             |
| Emergency Trip Button      |     | <del> </del> | <del> </del>                                     | <del> </del> | <del> </del>                                     |  |          |          |             |
|                            |     | ļ            | <del> </del>                                     | <del> </del> |  | +  |          |          |             |
| Cabinet Contamination      |     | <del> </del> | <del> </del>                                     | <del> </del> |  | +  |          |          |             |
| Vents Clean                |     |              | <del></del>                                      | <del></del>  | <del> </del>                                     | +  |          |          |             |
|                            | ì   |              |  | <u> </u>     |  |  | <u></u>  |          |             |

| ONTROL HOUSE/MISCELLANEOUS                | COMMENTS | DATE         | ВҮ   |  |  |  |  |
|---|----------|--------------|--|--|--|--|--|
| )isplays Proper Time                      |          |              |  |  |  |  |  |
| C Load Center Breakers                    |          |              |  |  |  |  |  |
| Room Temperature                          |          |              |  |  |  |  |  |
| Rodents                                   |          |              |  |  |  |  |  |
| Panels Labeled Properly                   |          |              |  |  |  |  |  |
| Panel Lights                              |          | 1            |  |  |  |  |  |
| Annunciator Panel                         |          |              |  |  |  |  |  |
| Panel Meters                              |          |              |  |  |  |  |  |
| Relay Target Information                  |          |              |  |  |  |  |  |
| Emergency Contact Directory               |          |              |  |  |  |  |  |
| Dialtone on Phone                         |          |              | Ĭ  |  |  |  |  |
| Safety Equipment                          |          |              |  |  |  |  |  |
| Fire Extinguisher Charged                 |          |              |  |  |  |  |  |
| BATTERY                                   |          | <del> </del> | τ  |  |  |  |  |
| Liquid Levels                             |          | +            | +  |  |  |  |  |
| Proper Float Voltage on Charger & Battery |          | +            | +-   |  |  |  |  |
| Specific Gravity in Pilot Cell            |          | +            | +-   |  |  |  |  |
| Personal Protective Equipment             |          |              | $\top$   |  |  |  |  |
| Connection Corrosion                      |          |              | <b>-</b>   |  |  |  |  |
| Leaking Cells                             |          | +            | <del>                                     </del> |  |  |  |  |
| Dated Solution in Eyewash Station         |          |              |  |  |  |  |  |
| YARD & FENCE                              |          |              |  |  |  |  |  |
| Ground Connections                        |          | +            | +  |  |  |  |  |
| Secured                                   |          |              | +  |  |  |  |  |
| Security and Emergency Lights             |          | -            | 1  |  |  |  |  |
| Site Base and Grade                       |          |              | +  |  |  |  |  |
| Warning Signs                             |          |              |  |  |  |  |  |